the requirement and availability was 26.9 per cent; and

(d) what are the names of the other States which had faced record power shortage during the period mentioned in part (a) above and what steps are being taken to improve the situation?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER IN THE MINISTRY OF ENERGY (SHRI KALPNATH RAI): (a) Yes, Sir.

(b) The required information is as under:—

Year	% Shortage
1985-86	7.9
1986-87	9.4
1987-88	10.9
1988-89	[illegible]

(c) Yes, Sir.

(d) State-wise power supply position during 1988-89 is given in Annexure [*See* Appendix CLI, Annexure, No. 50] Various measures being taken to improve the availability of power include expediting commissioning of new generating capacity, implementation of short gestation projects, improving the performance of existing power stations, reducing Transmission and Distribution losses, implementation of demand management and energy conservation measures and arranging transfer of energy from surplus to deficit areas.

World Bank assistance for power projects in the country

619. SHRI SURESH PACHOURI: Will the Minister of ENERGY be pleased to state:

(a) whether the Central Government have sought assistance from the World Bank for seven power projects;

(b) if so, what would be the total loan required and to what extent the World Bank has agreed to provide such loan; and

(c) what are the power projects that will be undertaken with this loan amount?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER IN THE MINISTRY OF ENERGY (SHRI KALPNATH RAI): (a) to (c) Discussions are held with the World Bank from time to time on the general as well as project specific issues. Projects to be financed are included in the pipeline for the Bank's assistance on the basis of availability of funds and the status of processing of the projects. However, the details of the assistance become available only after negotiations.

The list of on-going power projects with World Bank assistance is as follows:—

Sl. No.	Name of the Project	Amount of assistance ($ million)
1	Combined Cycle Power Project	485.00
2	Central Power Transmission Project	250.70
3	Farakka STPP Stage-I	250.00
4	Farakka STPP Stage-II	300.80
5	Korba-II (SDRs)	485.00
6	NCR (Dadri)	436.00
7	Ramagundam-II	300.00
8	Rihand Transmission	250.00
9	Singrauli-II	300.00
10	Talcher	375.00
11	Chandrapur TPP	300.00
12	Indira Sarovar	45.60
13	Kerala Power	176.00
14	Karnataka-I	330.00
15	Karnataka-II	260.00
16	U.P. Power	350.00
17	Upper Indravati	326.40
18	Nathpa Jhakri	485.00
19	Maharasthra Power	400.00

Installation of projects to generate solar energy

620. SHRI SURENDRA SINGH THAKUR: Will the Minister of ENERGY be pleased to state:

(a) whether Government have undertaken and encouraged power projects to generate solar energy on a large scale;

(b) if so, what are the details of such projects and the solar energy generated therefrom;

(c) whether Government have encouraged small scale solar energy projects for rural areas; and

(d) if so, what are the details thereof, State-wise?

THE MINISTER OF ENERGY (SHRI VASANT SATHE): (a) and (b) The Government have not so far undertaken any such project. For larger capacity MW size solar power units, the solar thermal power route also shows a great promise. A 30 MW solar power station based on the solar thermal system has already been